

IN THE SPECIFICATION

Please amend the paragraph beginning at page 7, line 16, as follows:

Metallic pads 2, for example in gold or in silver, are formed on the surface of a support 1. The support 1 may be of any nature: in dielectric material (for example in glass), semiconductor (for example in silicon) or metallic (for example a thin layer of gold deposited on a glass plate). The pads are distributed according to a two dimensional matrix. They are capable of adsorbing, on their upper face, chemical or biological species 3 such as strands of DNA.

Please amend the paragraph beginning at page 15, line 28, as follows:

In the case of a fluorescent particle, the presence of biochemical species modifies the intensity and the fluorescence lifetime of this particle. Thus, depending on the presence or not of the species 13 sought, the characteristics of the fluorescence radiation of the particle 20 are modified. The sensitivity of the fluorescence detection may be reinforced by the presence of pads ~~16~~ 12 if the plasmon resonance wavelength of these pads is adjusted to the fluorescence absorption or emission wavelength of the particle 20. The fluorescent particle 20 may also be used to reinforce the modification of the plasmon resonance of the pads ~~16~~ 12 induced by the species 13.